

Title (en)
AIRCRAFT LANDING GEAR ASSEMBLY

Title (de)
FLUGZEUGFAHRWERKSBAUGRUPPE

Title (fr)
ENSEMBLE DE TRAIN D'ATERRISSAGE D'AVION

Publication
EP 3392139 B1 20200826 (EN)

Application
EP 17167352 A 20170420

Priority
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Abstract (en)
[origin: EP3392139A1] An aircraft landing gear assembly (10, 50) comprising: a main strut having a mounting lug at one end region via which it is arranged to be pivotally coupled to an aircraft so as to be movable between a stowed condition for flight and a deployed condition for take-off and landing; an elongate bogie beam (14) comprising first and second end regions (14b) connected by a central body portion (14a) at which the bogie beam is pivotally coupled to the main strut via a bogie pivot pin (16); a first axle (22a) mounted at the first end region of the bogie beam, the first axle being arranged to carry one or more first wheel assemblies and first brake assemblies, each first brake assembly being attached to a brake rod which in turn is attached to the bogie beam; a second axle (22b) mounted at the second end region of the bogie beam, with the bogie pivot pin between the first and second end regions, the second axle being arranged to carry one or more second wheel assemblies and second brake assemblies; and a double acting actuator (24) coupled between the main strut and the bogie beam to apply a compressive or tensile force to the bogie beam, wherein the end regions of the bogie beam are arranged to position the bogie pivot axis (BP) below a plane (P2) intersecting the axes of rotation of the first and second wheel assemblies when the main strut is in the deployed condition.

IPC 8 full level
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